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APPLICATION NO.	O. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09,923,085	08.06/2001		Bart Van Den Bossche	0522-1749	1490	
7	59() ()	08-05-2003				
William M Lee Barnes & Thornburg P O Box 2786				EXAMINER		
				MACK, RICKY LEVERN		
CHICAGO, IL	60690			ART UNIT	PAPER NUMBER	
				2873		

DATE MAILED: 08/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.			
Office Action S	umman,	09/923,085 DEN B		BOSSCHE ET AL.	
Office Action 3	uninary	Examiner	Art Unit		
The MAILING DATE of	5.W.:	Ricky L Mack	2873		
Period for Reply	t this communication appe	ars on the cover s	heet with the correspondence	address	
A SHORTENED STATUTOR THE MAILING DATE OF THI  - Extensions of time may be available unafter SIX (6) MONTHS from the mailin  - If the period for reply specified above in the period for reply is specified above.  - If NO period for reply is specified above.  - Failure to reply within the set or extended and the period by the Office later the period patent term adjustment. See 3	nder the provisions of 37 CFR 1.136 grade of this communication. is less than thirty (30) days, a reply wire, the maximum statutory period will, by statute, chan three months after the mailing dental three months.	(a). In no event, however within the statutory minimulapply and will expire SIX	r, may a reply be timely filed im of thirty (30) days will be considered t (6) MONTHS from the mailing date of th		
	unication(s) filed on <u>09 Ma</u>	av 2003			
2a) This action is <b>FINAL</b> .		action is non-fina	1		
,			al matters, prosecution as to		
closed in accordance Disposition of Claims	with the practice under Ex	x parte Quayle, 19	35 C.D. 11, 453 O.G. 213.	) the merits is	
4) Claim(s) 1-20 is/are pe	ending in the application.				
4a) Of the above claim(	s) is/are withdrawn	from consideration	on.		
5)					
6) Claim(s) is/are re	ejected.				
7) Claim(s) <u>1,2 and 15</u> is/a	are objected to.				
8) Claim(s) are sub	ject to restriction and/or e	election requireme	nt.		
9)	cted to by the Evaminer				
10) ☐ The drawing(s) filed on _		d or h) abjected t	a by the Evenning :		
			o by the Examiner. abeyance. See 37 CFR 1.85(a	- >	
11) The proposed drawing co	orrection filed on is	approved t	abeyance. See 37 CFR 1.85(8	1).	
If approved, corrected dr	rawings are required in reply	to this Office action	oli disapproved by the Exam	irrer.	
12) The oath or declaration is					
Priority under 35 U.S.C. §§ 119					
13) 🖸 Acknowledgment is mad	de of a claim for foreign p	riority under 35 U	S.C. § 119(a)-(d) or (f)		
a)⊠ All b) Some * c) [		,	0.0. 3 . 10(a) (a) 01 (i).		
	f the priority documents h	ave been received	1		
_			in Application No		
3. ☐ Copies of the cert	tified copies of the priority	documents have	been received in this Nation	al Stane	
application fro * See the attached detailed	om the International Burea	u (PCT Rule 17 2	(a))	ii Otage	
14)☐ Acknowledgment is made	of a claim for domestic p	riority under 35 U.	S.C. § 119(e) (to a provision	al application).	
a)	e foreign language provis	ional application h	as been received	,	
Attachment(s)	•	,	. 00 - 20 arran 01 121.		
Notice of References Cited (PTO-89     Notice of Draftsperson's Patent Drav     Information Disclosure Statement(s)	wing Review (PTO-948)	5) 🔛 Noti	rview Summary (PTO-413) Paper N ce of Informal Patent Application (P er: <i>Detailed Action</i> .	lo(s) TO-152)	
J.S. Patent and Trademark Office PTO-326 (Rev. 04-01)	Office Action	Summary	Part of Paper No. 10	 O	

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#### **DETAILED ACTION**

## Specification

1. The disclosure is objected to because of the following informalities:

It is not clear if reference numbers 15-17 are appropriately used for referring to the heating and cooling path. Please provide either new reference numbers or provide an explanation of why references numbers 15-17 appropriately refer to both the heating path and the cooling path; and

Throughout the specification "colour" should be changed to ---color---.

Appropriate correction is required.

## Claim Objections

2. Claims 1, 2 and 15 are objected to because of the following informalities: In claims 1, 2, and 16, "colour" should be replaced with ---color---.. Appropriate correction is required.

# Allowable Subject Matter

- 3. Claims 1-20 allowed.
- 4. The following is an examiner's statement of reasons for allowability: The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claim(s), in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in claim(s) 1-20, wherein a spatial light modulating unit comprises a *cooling system for cooling* each reflective spatial light modulator, for which the Examiner reads as invoking 35 USC 112, 6<sup>th</sup> paragraph, the cooling system providing a heat path connection through a wall of a sealed chamber for cooling each

reflective light modulator, the cooling system being heat conductively connected to reflective spatial light modulators through the wall of the sealed chamber, as claimed. The combination of all the claimed features are not anticipated or made obvious by the prior art and all of said features are relied upon for a determination of allowability.

#### Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shiraishi et al. (6334686 B1) is cited for disclosing a display optical unit having spatial light modulator and a cooling system.
- 6. This application is in condition for allowance except for the following formal matters:

  See items 1 and 2 above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ricky L Mack whose telephone number is (703) 305-6984. The examiner can normally be reached on Monday-Friday (6:30 AM to 4:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on (703) 308-4883. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7724 for regular communications and (703) 308-7724 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

RM July 27, 2003

RICKY MACK
PRIMARY EXAMINE?

T. Mach